PROVIONAL APPLICATION FOR PATENT IMPROVEMENT.

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CAR SEAT MONITORING DEVICE. (IMPROVEMENTS TO).

Summary of Improvements.

The improvements relate to a separate Child Seat as might be installed as non-original equipment in a vehicle. The basic purpose of this improvement is the same as that described in the original application. That purpose is to make possible, at any time during a journey, to view of a child secured in a Child Seat, whether the seat is an integral part of the vehicle or as a separate approved attachment. Further, the presence of an occupant of the seat is monitored at all times and in the event of the driver of the vehicle opening his or her door, with, perhaps, the intention of vacating the vehicle, an audible warning is given to alert the driver that a child is present in the Child Seat.

Description of the Drawings.

Figs 3 & 3A are views of a typical installation of the improvement.

Fig 4 is a perspective view of a typical Child Seat showing the disposition of sensors and illuminating devices contained within the seat.

Detailed Description of the Improvement.

With reference to Figs. 3& 3A. These Figs illustrate a generic Child Seat 14 installed on the rear seat of a vehicle. The seat 14 could be positioned as shown or be located behind the driver 2. The additional mirror 13 is shown on the rear seat back-rest, but this mirror 13 may be placed in any convenient position to suit the vehicle used, for example on side or rear windows. Alternatively this mirror 13 could become an integral part of the Child Seat 14.
The substance of the improvement is similar to that of the original application. By use of the rear view mirror 1 the driver 2 of the vehicle can view the occupant 3 of the Child Seat 14 without having to twist around to look. The rear view mirror 1 shows the reflection of the additional mirror 13

to the driver which, in turn, shows the situation of the occupant 3 of the Child seat 14. As described above this additional mirror 13 may be attached to any convenient internal surface by means of appropriate interfaces.

A further improvement relating to the Child Seat 14 is the embodiment of illuminating devices 15 shown in Fig. 4. In the event of there not being sufficient light to see the occupant 3 of the Child Seat 14 these illuminating devices 15 may be switched on by the driver 2 using a dedicated transmitter, a transmitter as contained in a remote control key-fob or a garage door-opening transmitter 10. Signals sent by these means are received by a small receiver 16 positioned in the base of the Child Seat 14. This signal will be encoded so that multiple units may be used in close proximity.

A further improvement relating to the Child Seat 14 is the incorporation of a sensor 17 detecting the presence or not of an occupant 3 of the Child Seat 14. In the event of the driver opening his or her door a separate transmitter 9, positioned in close proximity to a dome light, and in conjunction with the sensor 17 and it's transmitter 18 will sound an audible warning to the driver reminding him or her that a child is present.

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